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REPORT NO.

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SUPPLEMENT TO REPORT NO. 25X1

THIS IS UNEVALUATED INFORMATION

1. Type PES--66 mobile generators are being mass-produced at Lakin, USSR.¹ The generators may be placed in railroad cars, trucks, or other types of vehicles. The units consist of a generator and Diesel engine with a control panel. The cars fitted with such units have stoves for heating and a 2-bed crew compartment.
2. The Diesel is a 4-cycle, 6-cylinder model which develops 100 horse power at 100 revolutions per minute. Fuel consumption is 190 grams per horse power. Two ZIS-5 radiators cool the engine; there is a special cooler for the oil.
3. The generator develops a power of 57 kilovolt amperes at 1,000 revolutions per minute, with a voltage of 230-240 volts. The rotor is connected with the main shaft of the Diesel through a flexible clutch.

4. The general specifications are as follows:

Output 56 kilovolt amperes, 46 kw

Type of current 3-phase AC

Potential 230 volts

5. The specification of the Diesel engine are as follows:

Engine type 4-cycle, 6-cylinder in-line

Firing order 1-5-3-6-2-4

Bore 150 mm

Stroke 180 mm

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Displacement	19.1 liters
Fuel	GOST 305-42 and Dt tractor fuel
Fuel pump	NB-6 pump; pressure feed
Oil pressure after filter	5-9 kg/cm ²
Temperature in	50-60 degrees C
Temperature out	80-90 degrees C
Summer oil	MK or MSZ mineral; GOST-1013/41
Winter oil	MTS GOST 1013/41
Oil cooling	Pipe radiator
Starter	EST 710, electric
Storage battery	ESTE-144
Potential	24 volts
Capacity	288 Amp-hrs
Engine weight	850 kg
Length	1,435 mm
Width	706 mm
Height	1,105 mm

6. The specifications of the generator are as follows:

Type	SG/60/6
Control	Manual rheostat
Weight	400 kg
Length	1,182 mm
Width	552 mm
Height	556 mm
Main lead cross section	3x16 mm ²
Type of cable	KRPT-500
Length of cable	200 meters
Length of sections	50 meters
Gross section of saw-feed cable	3x4 mm ²
Length of sections	100 meters
Total length of saw-feed sections	500 meters

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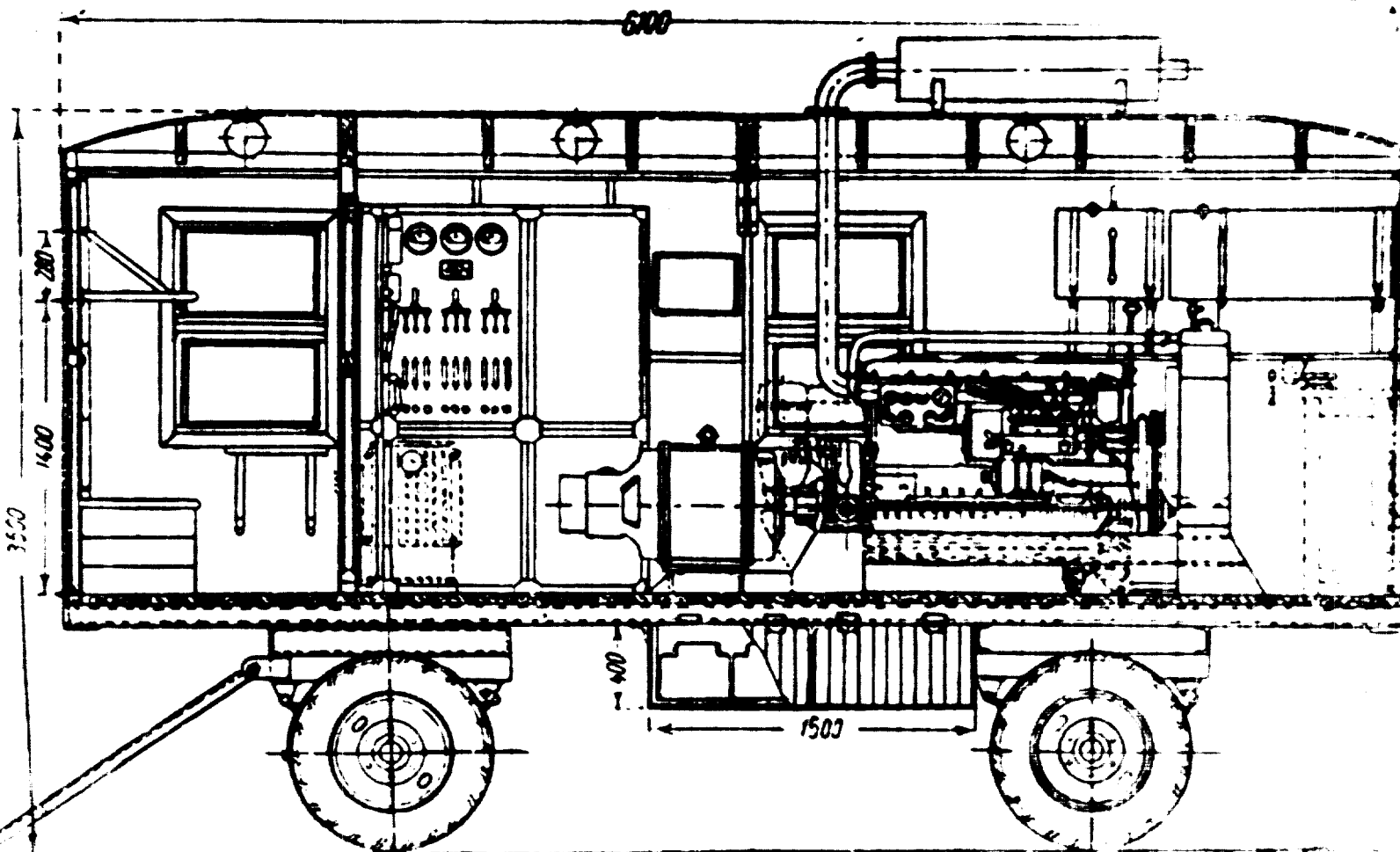
25X1 Diagram of PES-66 mobile generator,

- 25X1 1. Comment: This is probably the Likinskiy Machine Construction Factory (Likinskiy Mashinostroitelnyy Zavod), located at Likino Dulevo (55-43N, 38-58E). This plant produces portable generators.

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